

adults may be taken late in the year, far past the peak population, which is reached in May and June. Since four instars were undergone in the laboratory by the most minute of the field-taken larvae, it would appear that the number of instars is five. No parasites were reared.

Defoliation by this beetle was frequently observed. At Pilarcitos Creek, San Mateo County, plants defoliated by *Bucculatrix* in January were again defoliated by *Trirhabda* in March and April, by which time the plants had scarcely recovered from the attacks of the moth. Observations at later dates on these same plants showed that they were not killed, but recovery was poor and growth was thin and scanty. Many *Baccharis* shrubs show a scraggly growth that is due to the combined attacks of these two species.

Plants that have a heavy infestation of black scale, *Saissetia oleae* (Bernard), in addition to having been attacked by both *Trirhabda* and *Bucculatrix*, may be seriously injured or killed. These declining plants are very subject to the attack of *Chrysobothris bacchari* Van Dyke, while plants that are actually dying are attacked by *Psoa maculata* LeConte. This sequence seems to be a common one in normal stands of *Baccharis pilularis*, and a normal part of the succession in the area.

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Compiled by Ross H. ARNETT, JR.

This section is designed to contain all papers on the Coleoptera of North and South America which are not in the **Catalogue of the Coleoptera of America, North of Mexico** and its supplements, or in the **checklist of the Coleopterous Insects of Mexico, Central America, the West Indies, and South America** and which have not been previously listed in The Coleopterists' Bulletin.

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